Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A cushioning device for a footwear, comprising:

- a) a chamber including a magnetically responsive fluid;
- b) said fluid comprising core particles of a magnetic material;
- said core particles comprising first and second successive coatings; [[and]]
- d) one of said first and second coatings comprising a coating of at

 least one member selected from the group consisting of a

 ceramic material, a metallic material, and a combination

 thereof; and
- [[d)]] <u>e)</u> a magnetic member for applying a magnetic field to said fluid thereby varying the viscosity thereof.

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Claim 2 (previously amended): The cushioning device of Claim 1, wherein:

a) the viscosity of said fluid is greater than the viscosity of at least one member selected from the group consisting of water,

glycerine, hydraulic oil, mineral oil, and a combination thereof.

Claim 3 (original): The cushioning device of Claim 1, further comprising:

 a) a weight sensor for determining the weight of a user of a footwear.

Claim 4 (original): The cushioning device of Claim 1, further comprising:

a) a movement sensor for determining the movement of a footwear.

Claim 5 (original): The cushioning device of Claim 3, further comprising:

 a) a control unit for receiving information from said weight sensor and relaying a signal to said magnetic member to apply a magnetic field.

Claim 6 (canceled)

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Claim 7 (previously amended): The cushioning device of Claim 1, wherein:

a) a plurality of said core particles are attracted to form a magnetically connected structure when a magnetic field is applied to said fluid.

Claim 8 (original): The cushioning device of Claim 7, wherein:

a) said structure comprises generally rectilinear or bent configuration.

Claim 9 (canceled)

Claim 10 (previously amended): The cushioning device of Claim 1, wherein:

a) said core particles have an average diameter of about 1 nm to
 100 μm.

Claim 11 (original): The cushioning device of Claim 10, wherein:

a) said core particles have an average diameter of about 1 nm to
 10 μm.

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Claim 12 (original): The cushioning device of Claim 11, wherein:

a) said core particles have an average diameter of about 10 nm to 5 µm.

Claim 13 (previously amended): The cushioning device of Claim 1, wherein:

a) said magnetic material comprises at least one member selected from the group consisting of iron, iron oxide, cobalt, cobalt oxide, nickel, nickel oxide, an alloy, and a combination thereof.

Claim 14 (currently amended): The cushioning device of Claim 1, wherein:

 a) ene the other of said first and second coatings comprises a coating of a surfactant.

Claim 15 (currently amended): The cushioning device of Claim 14, wherein:

 a) said surfactant comprises at least one member selected from the group consisting of polyethylene glycol, lecithin, oleic acid, non-ionic acetylenic diol, and a combination thereof.

Claim 16 (canceled).

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Claim 17 (currently amended): The cushioning device of Claim [[16]] 1, wherein:

a) the member is selected from the group consisting of silica, gold, silver, platinum, steel, cobalt, carbon, polyethylene glycol,

polystyrene, dextran, and a combination thereof.

Claim 18 (canceled)

Claim 19 (currently amended): The cushioning device of Claim 1, wherein:

a) said first coating comprises a coating of a surfactant; and

b) said second coating comprises a coating of the member. at

least one material selected from the group consisting of a

ceramic material, a metallic material, a polymer material, and a

combination thereof.

Claim 20 (currently amended): The cushioning device of Claim 19, wherein:

a) said surfactant comprises at least one member selected from

the group consisting of polyethylene glycol, lecithin, oleic acid,

non-ionic acetylenic diol, and a combination thereof.

Claim 21 (currently amended): The cushioning device of Claim 20, wherein:

a) said second coating comprises at least one member selected from the group consisting of silica, gold, silver, platinum, steel, cobalt, carbon, polyethylene glycol, polystyrene, dextran, and a combination thereof.

Claim 22 (currently amended): The cushioning device of Claim 10, wherein:

- a) ene the other of said first and second coatings comprises a coating of a surfactant; and
- b) said core particles are dispersed in a carrier fluid.

Claim 23 (original): The cushioning device of Claim 22, wherein:

a) said carrier fluid comprises a water-based or an oil-based carrier fluid.

Claim 24 (previously amended): The cushioning device of Claim 22, wherein:

 a) said carrier fluid comprises at least one member selected from the group consisting of water, hydraulic oil, mineral oil, silicone oil, biodegradable oil, and a combination thereof. Claim 25 (currently amended): The cushioning device of Claim 22, wherein:

a) [[is]] said fluid comprises about 1-95% of said core particles.

Claim 26 (previously amended): The cushioning device of Claim 10, wherein:

a) said core particles comprise at least one general shape selected from the group consisting of spherical, needleshaped, cubic, irregular, cylindrical, diamond, oval, and a combination thereof.

Claim 27 (currently amended): A sole for a footwear, comprising:

- a) a chamber including a magnetically responsive fluid;
- b) said fluid comprising core particles of a magnetic material;
- said core particles comprising first and second successive coatings;
- d) one of said first and second coatings comprising a coating of at

 least one member selected from the group consisting of a

 ceramic material, a metallic material, and a combination

 thereof;
- [[d)]] e) a magnetic member for applying a magnetic field to said fluid thereby varying the viscosity thereof; and

[[e)]] <u>f</u>) a control unit for relaying a signal to said magnetic member to apply a magnetic field.

Claim 28 (previously amended): The sole of Claim 27, wherein:

a) the viscosity of said fluid is greater that the viscosity of at least one member selected from the group consisting of water, glycerine, hydraulic oil, mineral oil, and a combination thereof.

Claim 29 (original): The sole of Claim 27, further comprising:

 a) a weight sensor for determining the weight of a user of a footwear.

Claim 30 (original): The sole of Claim 27, further comprising:

 a movement sensor for determining the movement of a footwear.

Claim 31 (original): The sole of Claim 29, wherein:

a) said control unit receives information from said weight sensor for relaying a signal to said magnetic member to apply a magnetic field.

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Claim 32 (original): The sole of Claim 31, wherein:

a) the strength of a magnetic field applied by said magnetic member is proportional to the weight of a user.

Claim 33 (canceled)

Claim 34 (previously amended): The sole of Claim 27, wherein:

 a plurality of said core particles form a magnetically connected structure when a magnetic field is applied to said fluid.

Claim 35 (original): The sole of Claim 34, wherein:

a) said structure comprises a generally rectilinear or bent configuration.

Claim 36 (original): The sole of Claim 35, wherein:

a) said structure is oriented in a generally vertical direction.

Claim 37 (original): The sole of Claim 27, wherein:

 the sole comprises toe and heel portions each including one said chamber.

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Claim 38 (original): The sole of Claim 37, wherein:

 each of said toe and heel portions includes one said magnetic member.

Claim 39 (original): The sole of Claim 38, wherein:

a) the strengths of the magnetic fields applied by the magnetic members of said toe and heel portions may be substantially the same or different.

Claim 40 (original): The sole of Claim 38, wherein:

a) the magnetic members of said toe and heel portions apply magnetic fields substantially simultaneously or at different times.

Claim 41 (canceled)

Claim 42 (previously amended): The sole of Claim 27, wherein:

a) said core particles have an average diameter of about 1 nm to $100\ \mu m$.

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Claim 43 (original): The sole of Claim 42, wherein:

a) said core particles have an average diameter of about 1 nm to
 10 µm.

Claim 44 (original): The sole of Claim 43, wherein:

a) said core particles have an average diameter of about 10 nm to 5 μ m.

Claim 45 (previously amended): The sole of Claim 27, wherein:

a) said magnetic material comprises at least one member selected from the group consisting of iron, iron oxide, cobalt, cobalt oxide, nickel, nickel oxide, an alloy, and a combination thereof.

Claim 46 (currently amended): The sole of Claim 27, wherein:

 a) ene the other of said first and second coatings comprises a coating of a surfactant.

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Claim 47 (currently amended): The sole of Claim 46, wherein:

a) said surfactant comprises at least one member selected from

the group consisting of polyethylene glycol, lecithin, oleic acid,

non-ionic acetylenic diol, and a combination thereof.

Claim 48 (canceled).

Claim 49 (currently amended): The sole of Claim [[48]] 27, wherein:

a) the member is selected from the group consisting of silica,

gold, silver, platinum, steel, cobalt, carbon, polyethylene glycol,

polystyrene, dextran, and a combination thereof.

Claim 50 (canceled)

b)

Claim 51 (currently amended): The sole of Claim 27, wherein:

a) said first coating comprises a coating of a surfactant; and

said second coating comprises a coating of the member. at

least one material selected from the group consisting of a

ceramic material, a metallic material, a polymer material, and a

combination thereof.

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Claim 52 (currently amended): The sole of Claim 51, wherein:

a) said surfactant comprises at least one member selected from

the group consisting of polyethylene glycol, lecithin, oleic acid,

non-ionic acetylenic diol, and a combination thereof.

Claim 53 (currently amended): The sole of Claim 52, wherein:

a) said second coating comprises at least one member selected

from the group consisting of silica, gold, silver, platinum, steel,

cobalt, carbon, polyethylene glycol, polystyrene, dextran, and a

combination thereof.

Claim 54 (currently amended): The sole of Claim 42, wherein:

a) ene the other of said first and second coatings comprises a

coating of a surfactant; and

b) said core particles are dispersed in a carrier fluid.

Claim 55 (original): The sole of Claim 54, wherein:

a) said carrier fluid comprises a water-based or an oil-based

carrier fluid.

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Claim 56 (previously amended): The sole of Claim 54, wherein:

a) said carrier fluid comprises at least one member selected from

the group consisting of water, hydraulic oil, mineral oil, silicone

oil, biodegradable oil, and a combination thereof.

Claim 57 (previously amended): The sole of Claim 54, wherein:

a) said fluid comprises about 1-95% of said core particles.

Claim 58 (previously amended): The sole of Claim 42, wherein:

a) said core particles comprise at least one general shape

selected from the group consisting of spherical, needle-

shaped, cubic, irregular, cylindrical, diamond, oval, and a

combination thereof.

Claim 59 (currently amended): A sole for a footwear, comprising:

- a) a chamber including a magnetically responsive fluid;
- b) said fluid comprising core particles of a magnetic material;
- said core particles comprising first and second successive coatings;
- d) one of said first and second coatings comprising a coating of at

 least one member selected from the group consisting of a

 ceramic material, a metallic material, and a combination

 thereof;
- [[d)]] e) an electromagnet for applying a magnetic field to said fluid thereby varying the viscosity thereof;
- [[e]] $\underline{\mathbf{f}}$ a movement sensor for determining the movement of a footwear;
- [[f)]] g) a weight sensor for determining the weight of a user of a footwear; and
- [[g)]] h) a control unit for receiving information from one of said movement and weight sensors and relaying a signal to said electromagnet for applying a magnetic field.

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Claim 60 (previously amended): The sole of Claim 59, wherein:

a) the viscosity of said fluid is greater than the viscosity of at least one member selected from the group consisting of water,

glycerine, hydraulic oil, mineral oil, and a combination thereof.

Claim 61 (original): The sole of Claim 59, wherein:

a) the strength of a magnetic field applied by said magnetic member is proportional to the weight of a user.

Claim 62 (canceled)

Claim 63 (previously amended): The sole of Claim 59, wherein:

 a plurality of said core particles form a magnetically connected structure when a magnetic field is applied to said fluid.

Claim 64 (original): The sole of Claim 63, wherein:

 a) said structure comprises a generally rectilinear or bent configuration.

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Claim 65 (original): The sole of Claim 64, wherein:

a) said structure is oriented in a generally vertical direction.

Claim 66 (original): The sole of Claim 59, wherein:

 the sole comprises toe and heel portions each including one said chamber.

Claim 67 (original): The sole of Claim 66, wherein:

 each of said toe and heel portions includes one said magnetic member.

Claim 68 (original): The sole of Claim 67, wherein:

a) the strengths of the magnetic fields applied by the magnetic members of said toe and heel portions may be substantially the same or different.

Claim 69 (original): The sole of Claim 67, wherein:

a) the magnetic members of said toe and heel portions apply magnetic fields substantially simultaneously or at different times.

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Claim 70 (canceled)

Claim 71 (previously amended): The sole of Claim 59, wherein:

a) said core particles have an average diameter of about 1 nm to

100 µm.

Claim 72 (original): The sole of Claim 71, wherein:

a) said core particles have an average diameter of about 1 nm to

10 µm.

Claim 73 (original): The sole of Claim 72, wherein:

a) said core particles have an average diameter of about 10 nm

to 5 µm.

Claim 74 (previously amended): The sole of Claim 59, wherein:

a) said magnetic material comprises at least one member

selected from the group consisting of iron, iron oxide, cobalt,

cobalt oxide, nickel, nickel oxide, an alloy, and a combination

thereof.

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Claim 75 (currently amended): The sole of Claim 59, wherein:

 a) one the other of said first and second coatings comprises a coating of a surfactant.

Claim 76 (currently amended): The sole of Claim 75, wherein:

 a) said surfactant comprises at least one member selected from the group consisting of polyethylene glycol, lecithin, oleic acid, non-ionic acetylenic diol, and a combination thereof.

Claim 77 (canceled).

Claim 78 (currently amended): The sole of Claim 77, wherein:

a) the member is selected from the group consisting of silica, gold, silver, platinum, steel, cobalt, carbon, polyethylene glycol, polystyrene, dextran, and a combination thereof.

Claim 79 (canceled).

Claim 80 (currently amended): The sole of Claim 59, wherein:

said first coating comprises a coating of a surfactant; and a)

said second coating comprises a coating of the member. at b)

least one material selected from the group consisting of a

ceramic material, a metallic material, a polymer material, and a

combination thereof.

Claim 81 (currently amended): The sole of Claim 80, wherein:

said surfactant comprises at least one member selected from a)

the group consisting of polyethylene glycol, lecithin, oleic acid,

non-ionic acetylenic diol, and a combination thereof.

Claim 82 (currently amended): The sole of Claim 81, wherein:

a) said second coating comprises at least one member selected

from the group consisting of silica, gold, silver, platinum, steel,

cobalt, carbon, polyethylene glycol, polystyrene, dextran, and a

combination thereof.

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Claim 83 (currently amended): The sole of Claim 71, wherein:

 a) ene the other of said first and second coatings comprises a coating of a surfactant; and

b) said core particles are dispersed in a carrier fluid.

Claim 84 (original): The sole of Claim 83, wherein:

a) said carrier fluid comprises a water-based or an oil-based carrier fluid.

Claim 85 (previously amended): The sole of Claim 83, wherein:

a) said carrier fluid comprises at least one member selected from the group consisting of water, hydraulic oil, mineral oil, silicone oil, biodegradable oil, and a combination thereof.

Claim 86 (previously amended): The sole of Claim 83, wherein:

a) said fluid comprises about 1-95% of said core particles.

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Claim 87 (previously amended): The sole of Claim 71, wherein:

a) said core particles comprise at least one general shape selected from the group consisting of spherical, needle-

shaped, cubic, irregular, cylindrical, diamond, oval, and a

combination thereof.

Claim 88 (canceled)

Claim 89 (previously amended): The sole of Claim 59, wherein:

a) said control unit receives information from said movement

sensor for relaying a signal to said electromagnet to apply a

magnetic field.

Claim 90 (previously amended): The sole of Claim 89, wherein:

a) the strength of a magnetic field applied by said electromagnet

depends on a type of movement detected by said movement

sensor.

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Claim 91 (original): The sole of Claim 90, wherein:

 the type of movement is selected from the group consisting of walking, brisk walking, jogging, running, jumping, stepping, and skipping.

Claim 92 (original): The sole of Claim 59, wherein:

a) said control unit receives information from both of said movement and weight sensors.

Claim 93 (previously amended): The sole of Claim 59, wherein:

a) the strength of a magnetic field applied by said electromagnet depends on a type of movement detected by said movement sensor.

Claim 94 (original): The sole of Claim 93, wherein:

 the type of movement is selected from the group consisting of walking, brisk walking, jogging, running, jumping, stepping, and skipping.

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Claim 95 (original): The cushioning device of Claim 10, wherein:

 said core particles comprise a plurality of groups of particles having different average diameters.

Claim 96 (original): The sole of Claim 42, wherein:

 said core particles comprise a plurality of groups of particles having different average diameters.

Claim 97 (original): The sole of Claim 71, wherein:

 said core particles comprise a plurality of groups of particles having different average diameters.

Claim 98 (currently amended): A method of varying the shock absorbing capacity of a footwear cushioning device, comprising:

- a) providing a cushioning device, comprising:
 - i. a chamber including a magnetically responsive fluid;
 - ii the fluid comprising core particles of a magnetic material;

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the particles comprising first and second successive coatings; [[and]]

- iv) one of said first and second coatings comprising a

 coating of at least one member selected from the group

 consisting of a ceramic material, a metallic material,

 and a combination thereof; and
- [iv]] <u>v)</u> a magnetic member for applying a magnetic field to the fluid:
- applying a magnetic field to the fluid based on an input to thereby vary the viscosity of the fluid; and
- whereby a change in viscosity of the magnetic fluid changes
 the shock absorbing capacity of the cushioning device.

Claim 99 (original): The method of Claim 98, wherein:

the input in step b) comprises weight data for a user received from a weight sensor.

Claim 100 (original): The method of Claim 98, wherein:

the input in step b) comprises movement data for a footwear received from a movement sensor.